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UTILITY PATENT APPLICATION TRANSMITTAL

(Only for new nonprovisional applications under 37 CFR 1.53(b))

| | |
|------------------------|----------------------|
| Attorney Docket No. | 61003 |
| First Inventor | CHRISTOPHER BILLINGS |
| Title | CLUSTER ASSEMBLY |
| Express Mail Label No. | EL 933084881 US |

U.S.PTO
22389
705304
10**APPLICATION ELEMENTS**

See MPEP chapter 600 concerning utility patent application contents.

ADDRESS TO:
Mail Stop Patent Application
Commissioner for Patents
P.O. Box 1450
Alexandria VA 22313-1450

- Fee Transmittal Form (e.g., PTO/SB/17)
(Submit an original and a duplicate for fee processing)
- Applicant claims small entity status.
See 37 CFR 1.27.
- Specification [Total Pages 25]
(preferred arrangement set forth below)
 - Descriptive title of the invention
 - Cross Reference to Related Applications
 - Statement Regarding Fed sponsored R & D
 - Reference to sequence listing, a table, or a computer program listing appendix
 - Background of the Invention
 - Brief Summary of the Invention
 - Brief Description of the Drawings (*if filed*)
 - Detailed Description
 - Claim(s)
 - Abstract of the Disclosure
- Drawing(s) (35 U.S.C. 113) [Total Sheets 4]
- Oath or Declaration [Total Sheets 8]
 - a. Newly executed (original or copy)
 - b. Copy from a prior application (37 CFR 1.63(d))
(for continuation/divisional with Box 18 completed)
 - i. **DELETION OF INVENTOR(S)**
Signed statement attached deleting inventor(s) name in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).
- Application Data Sheet. See 37 CFR 1.76
- CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)
- Nucleotide and/or Amino Acid Sequence Submission
(if applicable, all necessary)
 - a. Computer Readable Form (CRF)
 - b. Specification Sequence Listing on:
 - i. CD-ROM or CD-R (2 copies); or
 - ii. Paper
 - c. Statements verifying identity of above copies

ACCOMPANYING APPLICATION PARTS

- Assignment Papers (cover sheet & document(s))
- 37 CFR 3.73(b) Statement Power of Attorney
(when there is an assignee)
- English Translation Document (*if applicable*)
- Information Disclosure Statement (IDS)/PTO-1449 Copies of IDS Citations
- Preliminary Amendment
- Return Receipt Postcard (MPEP 503)
(Should be specifically itemized)
- Certified Copy of Priority Document(s)
(if foreign priority is claimed)
- Nonpublication Request under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent.
- Other: PTO-2038; Cert. of Express Mailing

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in the first sentence of the specification following the title, or in an Application Data Sheet under 37 CFR 1.76:

 Continuation Divisional Continuation-in-part (CIP) of prior application No.:

Prior application information: Examiner _____ Art Unit: _____
 For CONTINUATION OF DIVISIONAL APPS only; The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference.
 The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

19. CORRESPONDENCE ADDRESS

| | | | |
|--|--|-----------------------------------|---|
| <input checked="" type="checkbox"/> Customer Number: | 27015 | OR | <input type="checkbox"/> Correspondence address below |
| Name | CHARLES L. THOEMING | | |
| Address | Bielen, Lampe & Thoeming 1990 N. California Blvd., Ste. 720 | | |
| City | Walnut Creek | State | CA |
| Country | U.S. | Telephone | 925.937.1515 |
| Name (Print/Type) | CHARLES L. THOEMING | Registration No. (Attorney/Agent) | 43,951 |
| Signature | <i>Charles L. Thoeming</i> | | Date 11/10/2003 |

This collection of information is required by 37 CFR 1.53(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

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FEE TRANSMITTAL for FY 2004

Effective 10/01/2003. Patent fees are subject to annual revision.

Applicant claims small entity status. See 37 CFR 1.27

| | |
|-------------------------|-------------|
| TOTAL AMOUNT OF PAYMENT | (\$ 421.00) |
|-------------------------|-------------|

Complete if Known

| | |
|----------------------|----------------------|
| Application Number | |
| Filing Date | 11/10/2003 |
| First Named Inventor | CHRISTOPHER BILLINGS |
| Examiner Name | |
| Art Unit | |
| Attorney Docket No. | 61003 |

METHOD OF PAYMENT (check all that apply)

Check Credit card Money Order Other None

Deposit Account:

| | |
|------------------------|--|
| Deposit Account Number | |
| Deposit Account Name | |

The Director is authorized to: (check all that apply)

Charge fee(s) indicated below Credit any overpayments
 Charge any additional fee(s) or any underpayment of fee(s)
 Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.

FEE CALCULATION (continued)

3. ADDITIONAL FEES

| Large Entity | Small Entity | Fee Description | Fee Paid |
|--|---------------|-------------------------|-------------------------------|
| Fee Code (\$) | Fee Code (\$) | Fee Description | Fee Paid |
| 1051 770 | 2001 385 | Utility filing fee | 385.00 |
| 1002 340 | 2002 170 | Design filing fee | |
| 1003 530 | 2003 265 | Plant filing fee | |
| 1004 770 | 2004 385 | Reissue filing fee | |
| 1005 160 | 2005 80 | Provisional filing fee | |
| SUBTOTAL (1) (\$) | | | |
| 2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE | | | |
| Total Claims | 24 | Extra Claims from below | Fee Paid |
| Independent Claims | 2 | -20** = 4 X 9.00 = 36. | |
| Multiple Dependent | | -3** = 0 X = | |
| SUBTOTAL (2) (\$ 36.00) | | | |
| Other fee (specify) _____ | | | |
| *Reduced by Basic Filing Fee Paid | | | SUBTOTAL (3) (\$ 0.00) |

**or number previously paid, if greater; For Reissues, see above

SUBMITTED BY

(Complete if applicable)

| | | | | | |
|-------------------|---------------------|--------------------------------------|--------|------------|--------------|
| Name (Print/Type) | CHARLES L. THOEMING | Registration No. (Attorney/Agent) | 43,951 | Telephone | 925.937.1515 |
| Signature | | | Date | 11/10/2003 | |

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

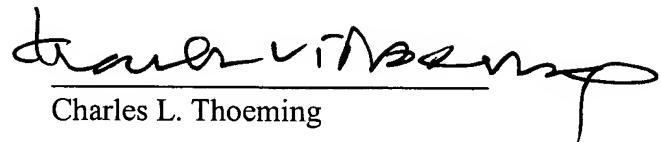
If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

CERTIFICATE OF MAILING UNDER 37 C.F.R. § 1.10

I hereby certify that the following identified correspondence and any associated papers listed hereunder are being deposited with the United States Postal Service with sufficient postage as Express Mail Label No. EL 933084881 US in an envelope addressed to MAIL STOP NEW APP, Assistant Commissioner for Patents, United States Patent and Trademark Office, P. O. Box 1450, Alexandria, VA 22313-1450:

| | |
|--|----------|
| Utility Patent Application Transmittal | 1 page |
| Fee Transmittal Form [O + 1] | 2 pages |
| PTO-2038 | 1 page |
| Specification | 25 pages |
| Drawings | 4 sheets |
| Declaration [four inventors] | 8 pages |
| Power of Attorney [four inventors] | 4 pages |
| Certificate of Mailing | 1 page |
| PTO Return Postcard | 1 page |

on 11/10/03.



Charles L. Thoeming